

FIBER REINFORCED COMPOSITE CORES AND PANELSAbstract of the Disclosure

A fiber reinforced core is formed from plastics foam material having elongated porous and fibrous webs and/or rovings extending through the foam material. The rovings may extend angularly through the webs, and strips of the foam material may be helically wound with layers of crossing rovings to form the webs. Porous and fibrous skins for the core may be formed by the wound rovings and by parallel continuous rovings, and the foam strips may be formed with internal grooves adjacent the webs and connected by a feeder channel for infusing a hardenable adhesive resin into the grooves and outwardly through the webs to the skins with differential pressure on the resin.